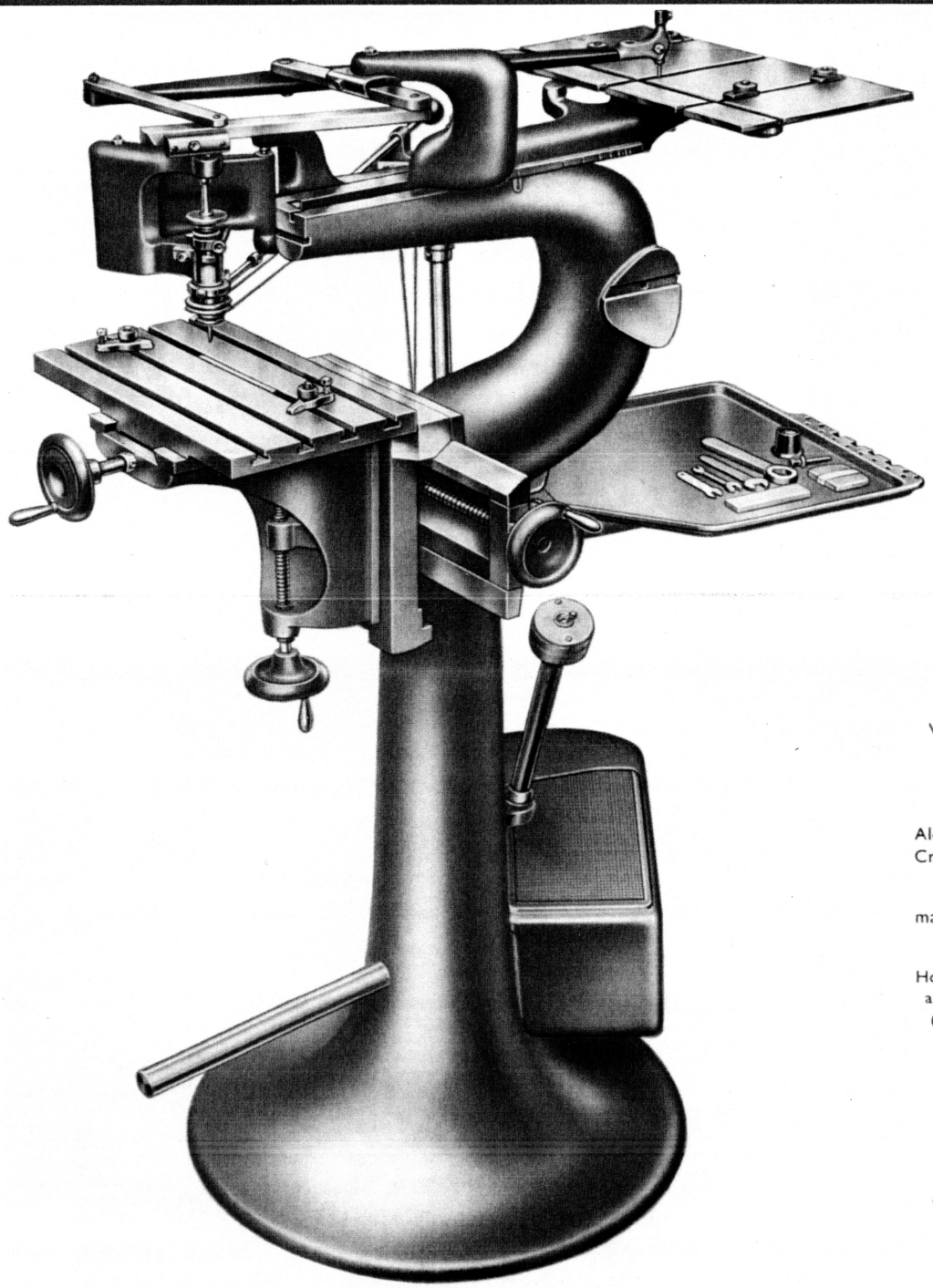
TAYLOR-HOBSON ENGRAVING MACHINES

TRADE MARK



Model 'CX' ENGRAVING MACHINE

Code 110/215

(as illustrated in colour)

With increased pantograph and table capacity for large plates

Floor space occupied
3½-ft. x 3-ft. (107 x 91 cms.)

Height of Machine
4-ft. 7-ins. (137 cms.)

Pantograph reductions variable between
2:1 and 16:1

Pantograph giving
1:1 and 1:6 ratios
can be supplied

Size of Work Table
15-in. x 8-in. (38 x 20 cms.)

Vertical distance between Cutter and top of Saddle on Frame Slide ... ... 3½-in. (9 cms.)

Movements of Work Table:
Along machine frame 14-in. (35·5 cms.)
Cross movement 6-in. (15 cms.)

Vertical movement and maximum distance beneath cutter
6-in. (15 cms.)

Horizontal distance between Cutter and Frame with Style at zero (to bowed part) 19½-in. (49·53 cms.)

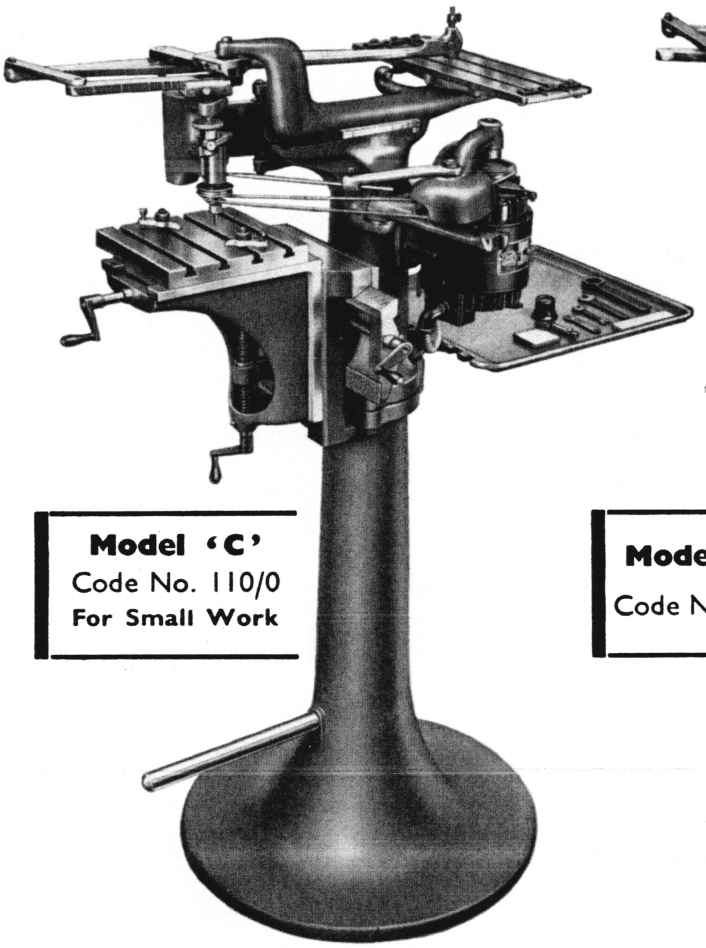
Approx. Net Weight:
5 cwt. (254 kgs.)

Approx. Gross Weight:
7 cwt. (356 kgs.)

Shipping Dimensions:
46-ins. x 40-ins. x 63-ins.
(116.8 cm. x 101.6 cm. x 160 cm.)

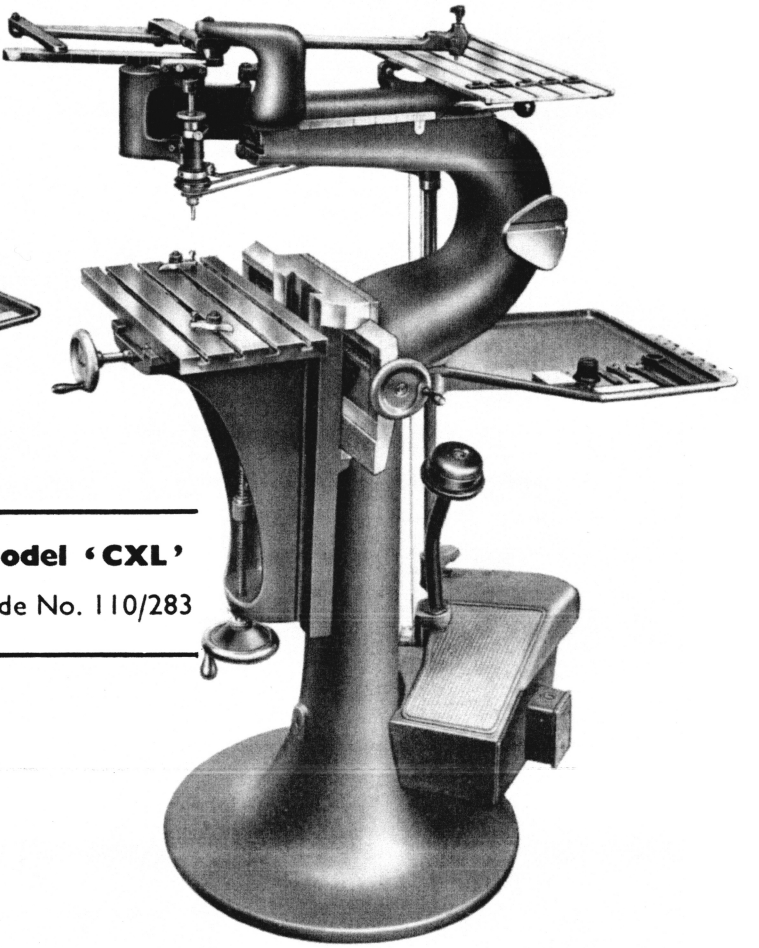
TAYLOR, TAYLOR & HOBSON LTD., LEICESTER, ENGLAND

TAYLOR-HOBSON Engraving Machines



Model 'C'
Code No. 110/0
For Small Work

Floor Space occupied	3-ft. x 2-ft. (91 x 61 cms.)
Height of Machine	4-ft. 5-ins. (132 cms.)
Pantograph Reductions ...	Variable between 3: 1 and 16: 1
Special Pantographs adjustable for equal copying and thereabouts are available	
Size of Work Table	8-in. x 8-in. (20 x 20 cms.)
An Extension Table can be fitted to any machine	
Movements of Work Table:	
Along machine frame	10-in. (25 cms.)
Cross movement	6-in. (15 cms.)
Vertical movement and maximum distance beneath cutter	6-in. (15 cms.)
Horizontal distance between Cutter and Frame with Style at zero	9-in. (22·86 cms.)
Vertical distance between Cutter and Top of Saddle on Frame Slide ..	2¾-in. (7 cms.)
Approx. Net Weight	3 cwt. (152 kgs.)
Approx. Gross Weight	5 cwt. (254 kgs.)
Shipping Dimensions	40-ins. x 40-ins. x 63-ins. (101.6 cm. x 101.6 cm. x 160 cm.)



Model 'CXL'
Code No. 110/283

Capacity as "CX" Machine but with longer drop to table for bulkier work.

Floor Space occupied ...	3½-ft. x 3-ft. (107 x 91 cms.)
Height of Machine	4-ft. 7-ins. (137 cms.)
Pantograph Reductions	Variable between 2:1 and 16:1
Special Pantographs adjustable for equal copying and thereabouts are available.	
Pantograph giving 1:1 and 1: 6 ratios can be supplied	
Size of Work Table	15-in. x 8-in. (38 x 20 cms.)
An Extension Table can be fitted to any machine	
Movements of Work Table:	
Along machine frame	14-in. (35·5 cms)
Cross movement	6-in. (15 cms.)
Vertical movement and maximum distance beneath cutter	14-in. (35·5 cms.)
Horizontal distance between Cutter and Frame with Style at zero (to bowed part)	19½-in. (49·53 cms.)
Vertical distance between Cutter and Top of Saddle on Frame Slide ...	3½-in (9 cms.)
Approx. Net Weight	5 cwt. (254 kgs.)
Approx. Gross Weight	7 cwt. (356 kgs.)
Shipping Dimensions	46-ins. x 40-ins. x 63-ins. (116.8 cm. x 101.6 cm. x 160 cm.)

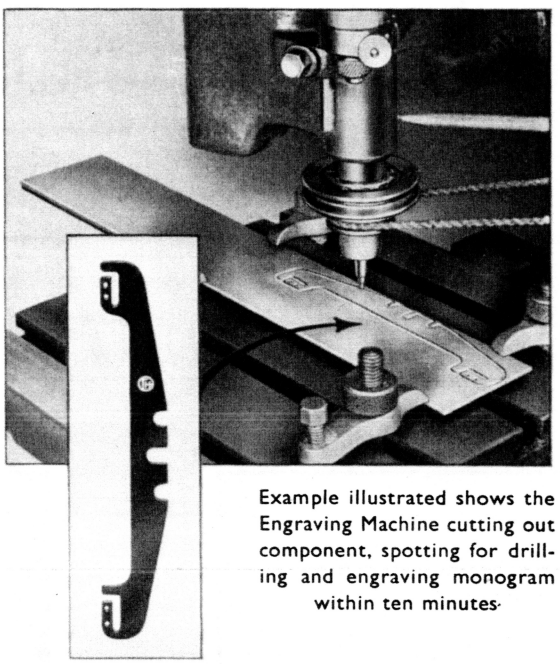
Thousands of Taylor-Hobson Engraving Machines are in use the world over. No better Machines are obtainable. None are more efficient in operation.

TAYLOR-HOBSON Models C • CX • CXL

Typical Examples of ENGRAVING produced on these Machines

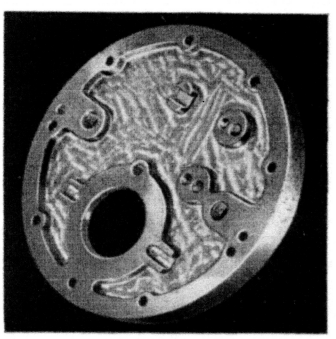
The Engraving Machines are for engraving, lettering, figures, designs, etc. They are also suitable for light machining of objects of irregular form such as small cams, press tools, etc., which cannot be produced on standard machine tools. They can be operated on any material which can be cut, and on curved or flat surfaces.

The Engraving Machine is particularly suited to the production of prototype Components



Example illustrated shows the Engraving Machine cutting out component, spotting for drilling and engraving monogram within ten minutes.

Illustrating a typical Prototype cut from solid, a true reproduction, produced entirely by means of Engraving Machine prior to having diecasting made.



TAYLOR, TAYLOR & HOBSON, LTD.

Head Office and Works : **Stoughton Street, Leicester, England**

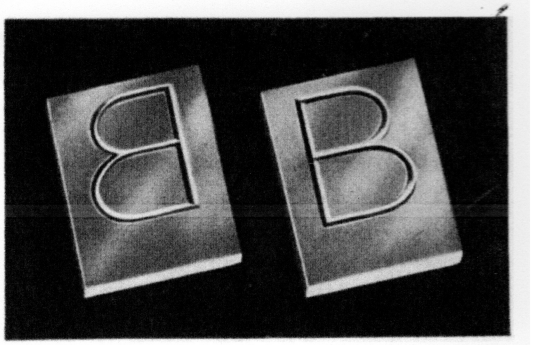
Telephone : Leicester 20134 *Telegrams :* 'Lenses,' Leicester

London Office : 150 Holborn, E.C.1 *Telephone :* HOLborn 2101

TAYLOR-HOBSON

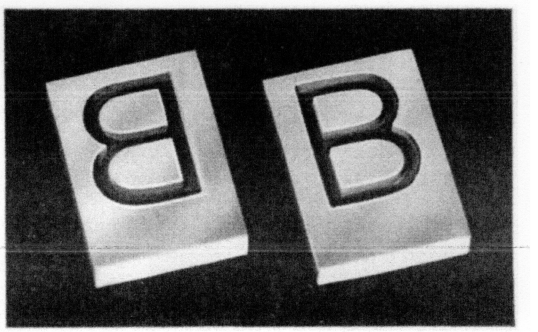
STANDARD COPY LINE, SUNK, RELIEF IS ILLUSTRATED TOGETHER WITH LETTER CHARACTER

Height of Letter in inches (centre to centre of line) and width across bevels	Copy No.	Largest engraving for Model 'C' as shown Models 'CX' and 'CXL' 50% larger.
$\frac{3}{4}$ (width across bevels $1\frac{1}{4}$ ins.)	2A	ABCDE 5
Lower Case to Match 2A ($1\frac{1}{4}$-ins.)	2L	abcde
$\frac{3}{4}$ ($1\frac{1}{4}$-ins.)	2C	ABCDE 5
$1\frac{1}{2}$ ($2\frac{1}{4}$-ins.)	5A	AB5
Lower case to Match 5A ($2\frac{1}{4}$-ins.)	5L	ab
$1\frac{1}{2}$ ($2\frac{1}{4}$-ins.)	5C	AB5
3 ($3\frac{1}{2}$-ins.)	3A	A5
3 ($3\frac{1}{2}$-ins.)	3C	A5
3 ($4\frac{1}{2}$-ins.)	4	Aa5



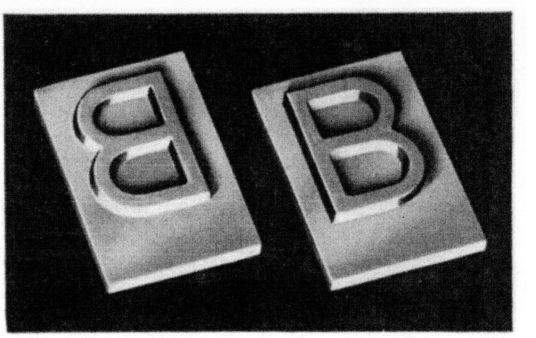
LINE COPY

Line Copy, as illustrated above, uses a pointed style, matching with a Vee-groove forming the outline of the character. With Line Copy, the width of line on the letter being engraved can only be varied by changing the size of the cutter, or by using what is known as Multiple Line Copy, where thick and thin lines appear.



SUNK COPY

Sunk Copy, as illustrated above, is basically of the form shown, but can have varying widths of line, such as may be required for Roman, Old English, Script, etc.



RAISED COPY

Raised Copy is basically of the form shown above, but here the width of line or face may be varied to produce counterparts of the copy referred to under the heading "Sunk Copy"—that is, Roman, Old English, Script, etc.

Raised Copy necessitates clearing away surplus metal around each of the characters. It must be realised that metal must be left on which to engrave the next letter, so that it is important to use a "Set" Copy, consisting of all the characters mounted on one piece of metal, in the correct relation to one another.

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